

## CLAIMS

1. A method for producing a lactulose-containing powder composition, comprising the steps of:  
  
    preparing a raw material liquid so that a lactulose content within a powder produced following spray drying is 10 to 50% by weight, a protein content is 0.2 to 9.0 parts by weight per 1 part by weight of lactulose, and a chlorine content is no more than 0.08 parts by weight per 1 part by weight of protein, and  
  
    spray drying this raw material liquid.
2. The method for producing a lactulose-containing powder composition according to claim 1, further comprising the step of carrying out a treatment for altering a ratio between protein and chlorine in advance on the materials used for preparing said raw material liquid.
3. The method for producing a lactulose-containing powder composition according to claim 2, wherein said treatment for altering said ratio between protein and chlorine is ultrafiltration.
4. A lactulose-containing powder composition produced using the method for producing a lactulose-containing powder composition according to any one of claims 1 through 3.
5. A feed additive comprising a lactulose-containing powder composition according to claim 4.